

Patent Abstracts of Japan

PUBLICATION NUMBER

56162954

PUBLICATION DATE

15-12-81

APPLICATION DATE

15-05-80

APPLICATION NUMBER

55064386

APPLICANT: SEIKO INSTR & ELECTRONICS LTD;

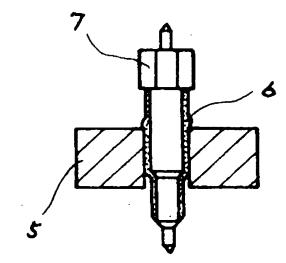
INVENTOR: TEIFUJI KATSUHIKO;

INT.CL.

: H02K 21/08

TITLE

: ROTOR



ABSTRACT: PURPOSE: To prevent the breakage of a permanent magnet without using a magnetic frame as well as to contrive the miniaturization and thinning of the subject rotor by a method wherein a metal-plated layer is provided on the surface of the rotating shaft of the rotor equipped with a permanent magnetic and the rotating shaft is press-fitted and fixed in the center hole of the permanent magnet through the intermediary of said metal-plated layer.

> CONSTITUTION: The metal-plated layer 6 is provided on the central surface of the rotating shaft 7 of the rotor equipped with the permanent magnet using a relatively soft material such as gold and copper, and through the intermediary of this layer 6, the rotating shaft 7 is press-fitted in the center hole of the permanent magnet 5. Through these procedures, no breakage is generated on the permanent magnet 5 when the rotating shaft is press-fitted without using the magnetic frame and the miniaturization and simplification of the rotor can be accomplished. Also, the mass productivity of the rotor can be improved.

COPYRIGHT: (C)1981, JPO& Japio